



## State of New Jersey

Department of Environmental Protection

Division of Science, Research and Technology

Office of Innovative Technology & Market Development

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James E. McGreevey  
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Commissioner

September 20, 2002

James H. Lenhart, P.E., V.P. of Engineering and Research  
Stormwater Management, Inc. (SMI)  
12021-B NE Airport Way  
Portland, OR 97220

Re: Interim Certification for SMI - StormFilter

Dear Mr. Lenhart:

In accordance with the Energy and Environmental Technology Verification (EETV) Act at N.J.S.A. 13:1D-144, the Office of Innovative Technology & Market Development (OITMD) is pleased to issue a conditional interim certification for Stormwater Management, Inc., (SMI)-StormFilter, a self-contained manufactured stormwater filtering system. This conditional interim certification is being issued based on the New Jersey Corporation for Advanced Technologies' (NJCAT) initial verification report entitled "NJCAT Technology Verification, Stormwater Management, Inc., June 2002.

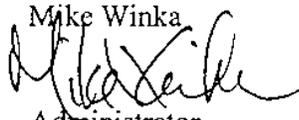
Based on NJCAT's initial verification report and the recommendations made in the attached Conditional Interim Certification - Findings, OITMD finds that the SMI StormFilter system, with influent concentrations of 300 mg/l or less and where TSS particle sizes are expected to be similar to those tested, should be able to meet the basic treatment goal of 80% removal of Total Suspended Solids (TSS) as recommended by the 1993 issued United States Environmental Protection Agency (EPA) 6217(g) Coastal Zone management measures guidance.

However, since the majority of the performance data that formed the basis of the findings in the initial NJCAT verification was collected in the lab, it would not currently meet the provisions of the Technology Acceptance and Reciprocity Partnership (TARP) Stormwater Best Management Practice Demonstration Tier II Protocol, which is required for final NJCAT verification, NJDEP certification and interstate reciprocity.

Therefore, the following conditions based on the recommendations made by the stormwater management technology Project Management Team (PMT) will apply to this interim certification:

1. The Conditional Interim Certification Findings, which highlights the NJCAT verified claims and StormFilter's limitations shall always be included with this approval letter.
2. The StormFilter system will only be approved for use as part of a stormwater system treatment train. The StormFilter can be used as a stand-alone structure if it is proven that no other conventional water quality features can be incorporated into the design.
3. StormFilter systems shall be designed in accordance with New Jersey's water quality standards and SMI's *Product Design Manual Version 3.0 (April 2002)*, or current edition, unless otherwise specified. The design, pretreatment, land use application, and maintenance criteria in SMI's Design Manual must be closely followed.
4. A Quality Assurance Project Plan supporting Stormwater Best Management Practice Demonstration Tier II Protocol shall be submitted to OITMD and/or NJCAT within six (6) months from the date of state's interim approval letter.
5. Field evaluation data that is consistent with the Tier II protocol shall be submitted to OITMD and NJCAT by August 2004.
6. The approval letter shall expire by December 2004 unless extended by NJDEP.
7. OITMD reserves the right to revoke this interim approval if it deems that one or more of the above conditions are not being met by SMI.

OITMD will issue a final approval for certification of the SMI- StormFilter system based on the verified data generated by a full scale field demonstration utilizing the TARP Tier II Stormwater Protocol.

Mike Winka  
  
Administrator  
OITMD

Enclosure

- c: Sam Wolfe, Assistant Commissioner, Environmental Regulation  
Narinder Ahuja, Director, Division of Water Quality  
Ernest Hahn, Assistant Commissioner, Land Use Management  
Mark Mauriello, Director Land Use regulations  
Debra Hammond, Acting Director, Watershed Management Program  
Jeanne Herb, Assistant Commissioner, Office of Policy, Planning, and Science  
Martin Rosen, Director, Division of Science, Research, and Technology  
Rhea Brekke, Executive Director, New Jersey Corporation for Advanced Technology  
TARP State Contacts

